

Faceting 101 - Lesson 2

Simple Sun

by Arya Akhavan (October 2012)

Angles for R.I. = 1.540

41 + 16 girdles = 57 facets

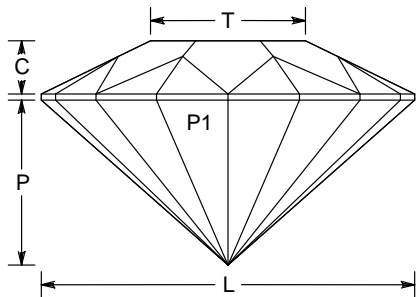
8-fold, mirror-image symmetry

96 index

$L/W = 1.000$ $T/W = 0.415$ $U/W = 0.415$

$P/W = 0.442$ $C/W = 0.143$

$Vol./W^3 = 0.186$



PAVILION

P1 42.00° 03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93 Cut to centerpoint.

G1 90.00° 03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93 Set stone size.

CROWN

C1 29.39° 03-09-15-21-27-33-39-45-51-57-63-69-75-81-87-93 Set girdle width.

C2 26.00° 96-12-24-36-48-60-72-84 Meet G1, C1

T 0.00° Table Float table to approx. 40% of stone width..

Our second lesson is a simple round, with one set of pavilion facets and TWO sets of crown facets, with our first set of real meetpoints. This lesson teaches how to cut meetpoints (C2), and how to cut a floating table facet without overcutting meetpoints. Make sure to cut the P1 facets to a good centerpoint!

Lesson rules: cut in citrine, with no size restrictions

C:\Program Files (x86)\GemCAD\Designs (Mine)\Teaching Series\Faceting 101 - Lesson 2 - Simple Sun.gem